



(11)

EP 4 542 309 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
16.07.2025 Bulletin 2025/29

(43) Date of publication A2:
23.04.2025 Bulletin 2025/17

(21) Application number: **24215403.7**

(22) Date of filing: **27.01.2022**

(51) International Patent Classification (IPC):
H04N 9/31 (2006.01) G02B 27/46 (2006.01)
G02B 26/08 (2006.01) G02B 27/42 (2006.01)
G06T 3/4069 (2024.01)

(52) Cooperative Patent Classification (CPC):
H04N 9/3188; G02B 26/0833; G02B 27/4205;
G02B 27/46; G06T 3/4069; H04N 9/3161

(84) Designated Contracting States:
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB
GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO
PL PT RO RS SE SI SK SM TR

(30) Priority: **29.01.2021 EP 21154272**
29.01.2021 US 202163143149 P

(62) Document number(s) of the earlier application(s) in
accordance with Art. 76 EPC:
22703821.3 / 4 285 588

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(54) **PROJECTION SYSTEM AND METHOD WITH PIXEL SHIFTING**

(57) A projection system and method therefor includes a light source configured to emit a light; a spatial light modulator configured to receive the light and generate a modulated light; a lens configured to spatially Fourier transform the modulated light; a filter including an aperture, the filter configured to transmit at least one diffraction order of the modulated light as Fourier-trans-

formed by the lens and to block a remaining portion of the modulated light; and a controller configured to: for each of a plurality of subperiods, cause the projection system to project an image through the filter, and between each of the plurality of subperiods, shift the image by a partial pixel distance.

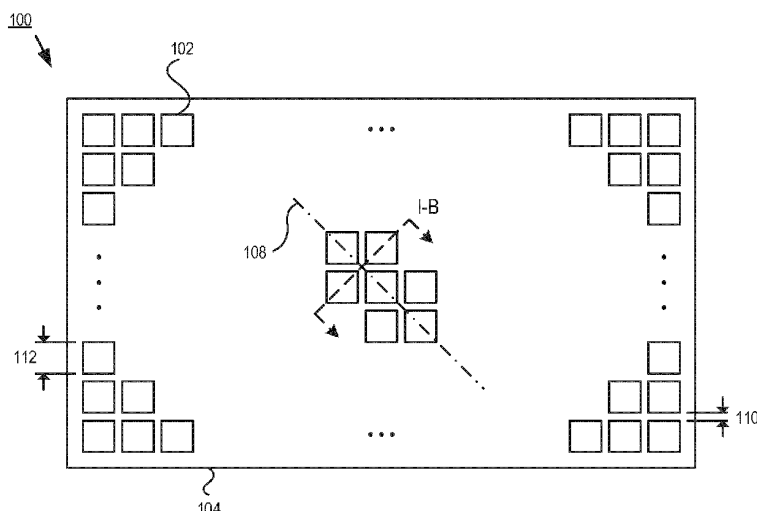


FIG. 1A



EUROPEAN SEARCH REPORT

Application Number

EP 24 21 5403

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Place of search			Examiner
The Hague			Visser, Michelle L.
Date of completion of the search			
5 June 2025			
CATEGORY OF CITED DOCUMENTS			
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